



MI EIBC
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E N E R G Y I N N O V A T I O N
B U S I N E S S C O U N C I L

Powering Mobility

House Energy Committee

March 13, 2018

Liesl Clark
President

1

**Michigan EIBC's mission is to grow
Michigan's advanced energy economy
by fostering opportunities for
innovation and business growth and
offering a unified voice in creating a
business-friendly environment for the
advanced energy industry in Michigan.**



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2

Leadership Council







Membership





















































































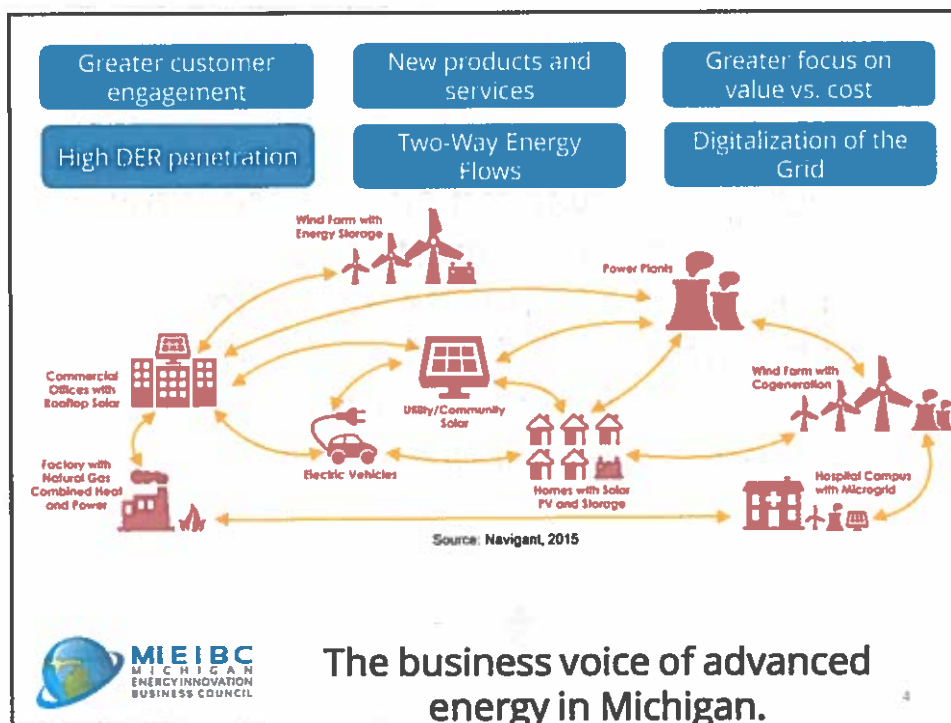




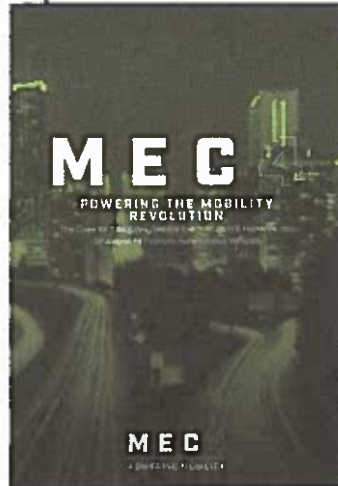


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The business voice of advanced energy in Michigan.



Convergence of Electricity and Transportation



Connected
Shared
Autonomous
Electric

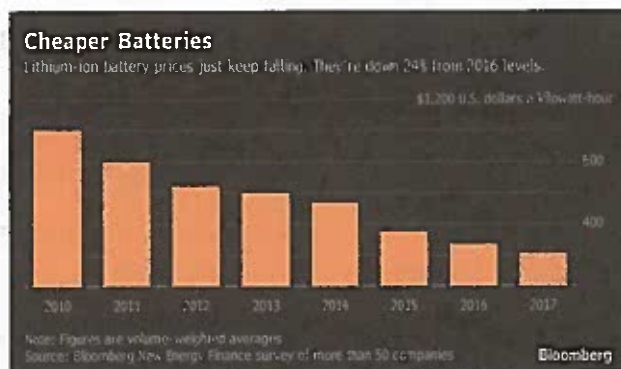
GM plans 20-plus new electric vehicles; Ford to detail ambitious 'Team Edison' plans



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5

Advanced Mobility - Drivers



Steep and continuing declines in battery costs.

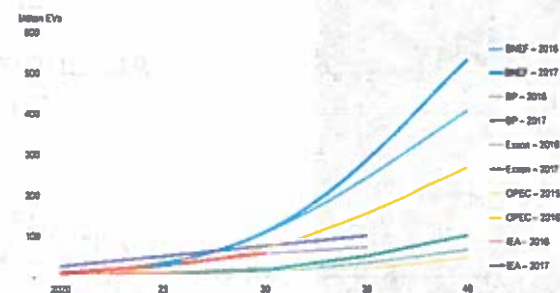


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6

Advanced Mobility - Drivers

EV fleet size, 2020-40



Source: Bloomberg New Energy Finance, organization websites. IEA's G4 scenario is 2016 and BP scenario is 2016. OPEC has not yet published its 2017 Oil Outlook. BP and OPEC provide annual data points for EV fleet size. Some data points for BP scenario. OPEC and IEA are estimated based on organization charts, reports and data. BP and OPEC forecasts include just BEVs and PHEVs. Bloomberg and IEA forecasts include BEVs, PHEVs and fuel cell vehicles. For more on the changes between BP's 2016 and 2017 long-term EV forecasts, see BP July 6, 2017 Research Note "Global EV Sales Outlook to 2040" (2017/07/06).

18 September 28, 2017

Bloomberg
New Energy Finance

2017 Forecasts for Global EV fleet ramp up.



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7

MPSC Docket

Nov 17th Joint Principals

ACTIA	Michigan Electric and Gas Association
Advanced Energy Economy	
The Alliance for Transportation Electrification	Michigan Energy Innovation Business Council
Clean Fuels Michigan	Michigan Environmental Council
Consumers Energy Company	Michigan League of Conservation Voters,
DTE Electric Company	Natural Resources Defense Council
The Ecology Center	Phoenix Contact
Edison Electric Institute	Siemens
Ford Motor Company	Sierra Club
General Motors	
Greenlots	



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8

MPSC Docket

Nov 17th Joint Principals

Transportation Electrification is in the public interest

Transportation Electrification in Michigan is lagging and barriers need to be addressed

Electric companies are uniquely suited to help



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9

EV and Storage Efforts - Recommendations

- Expand the Michigan Council on Future Mobility created by Public Act 332 of 2016 to include specific expertise in EVs, batteries, and EV infrastructure;
- Accelerate regulatory strategies to expand EV charging infrastructure and reduce barriers to deployment, including eliminating regulatory penalties for EVs and removing barriers to offering charging as a service;



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10

EV and Storage Efforts - Recommendations

- Reconvene the Michigan Plug-In Electric Vehicle Preparedness Taskforce at the Michigan Public Service Commission to convene utilities, vehicle OEMs, mobility service providers, third-party charging companies, and other stakeholders to address EV charging issues, with a particular focus on the nexus between EVs and advanced mobility;
- Establish an internal coordinating group at the Michigan Economic Development Corporation to align battery, EV, and mobility economic development efforts.



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11

Don't predict the future, enable it.

Liesl Clark
President
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12



The Michigan Energy Innovation Business Council (Michigan EIBC) is a business trade association representing advanced energy companies doing business in Michigan. Michigan EIBC's mission is to grow Michigan's advanced energy economy by fostering opportunities for innovation and business growth and offering a unified voice in creating a business-friendly environment for the advanced energy industry in Michigan.

Michigan EIBC serves the objectives of our member companies by strengthening Michigan's network of advanced energy businesses, engaging the public and policymakers around policy and regulatory initiatives, creating partnerships to expand business opportunities, and advancing energy innovation.

Business led. Business driven.

As Michigan's only multi-sector advanced energy business association, Michigan EIBC member companies define and drive our priorities, allowing us to bring an authentic business voice to the public discussion and policy debate.

Michigan EIBC member companies are united around a common goal: making Michigan a regional and global hub for advanced energy innovation, production, manufacturing, and deployment.

Michigan EIBC represents companies across the full range of advanced energy industries, including:

- Advanced materials
- Batteries and energy storage
- Combined heat-and-power
- Biomass and biofuels
- Demand response
- Electric vehicles and mobility
- Energy efficiency
- Lighting
- Performance contracting
- Smart grid/grid modernization
- Solar
- Wind

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www.mieibc.org

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